

Sheet 1 of 8

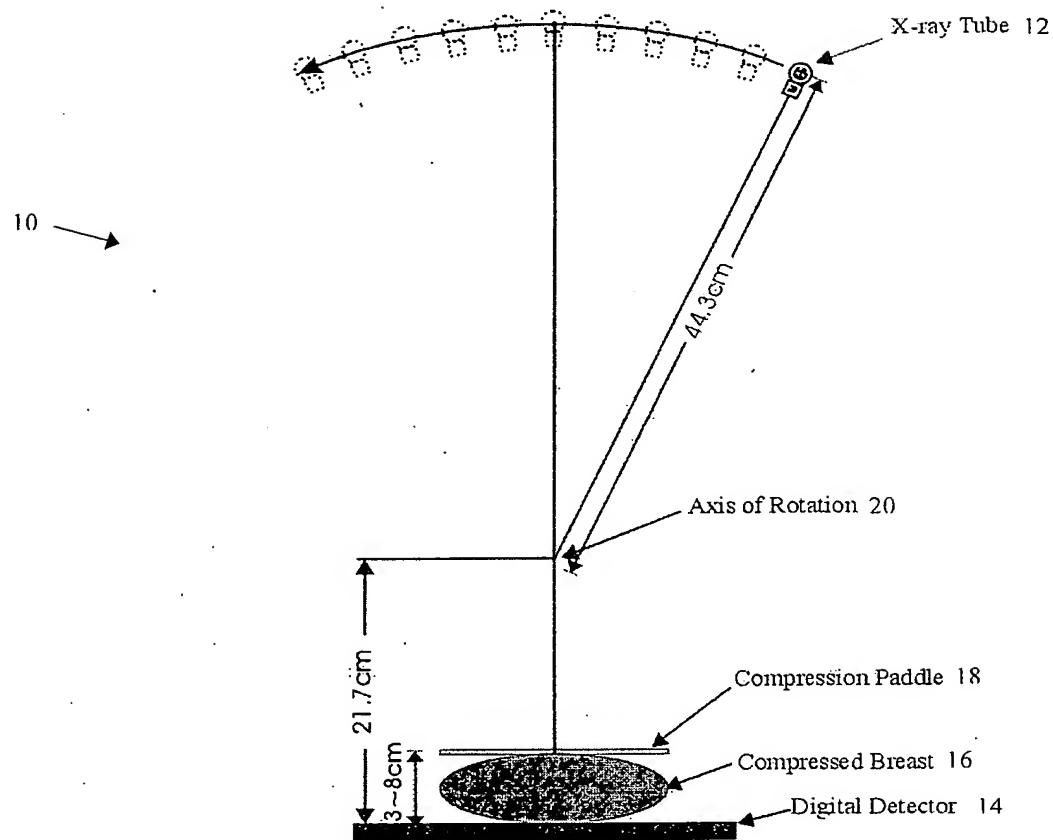


Figure 1A

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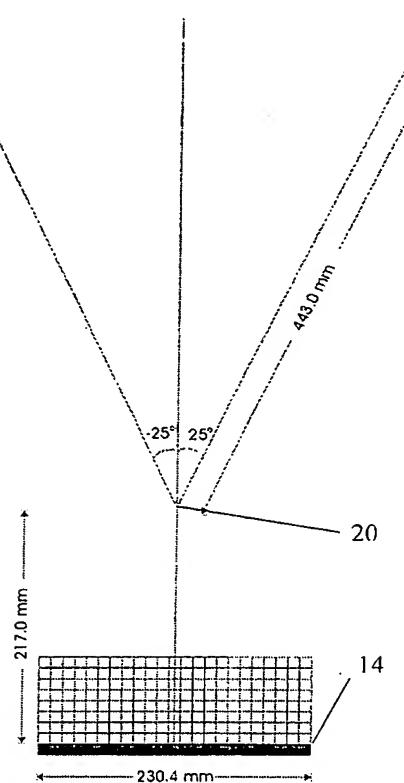
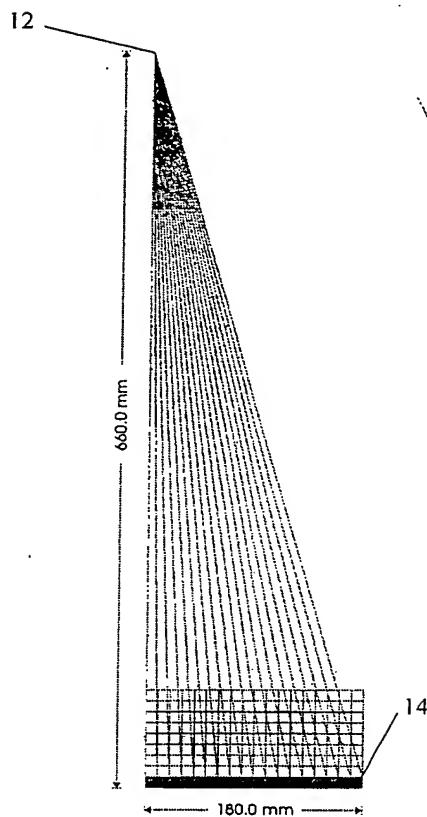
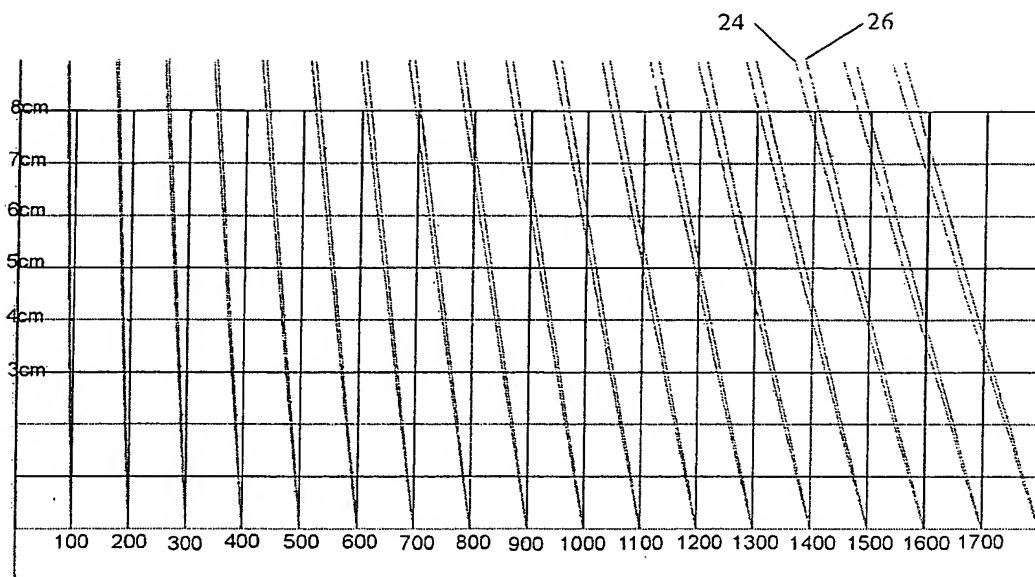


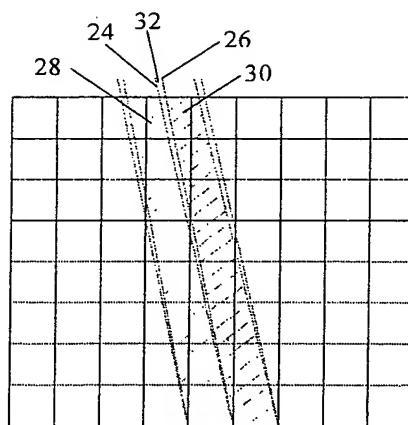
Figure 1B

Figure 1C

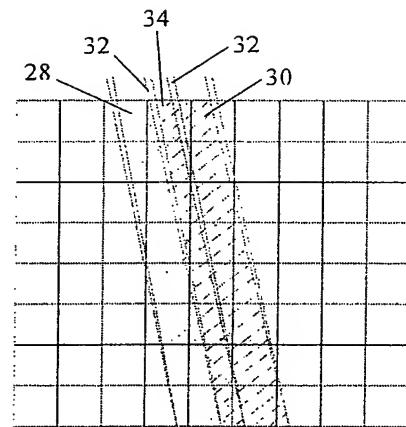
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*Figure 2*

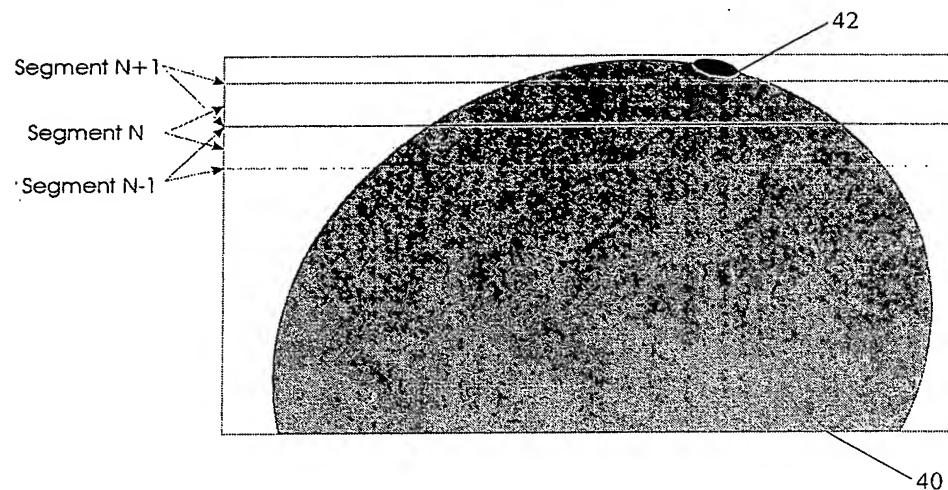


*Figure 3A*



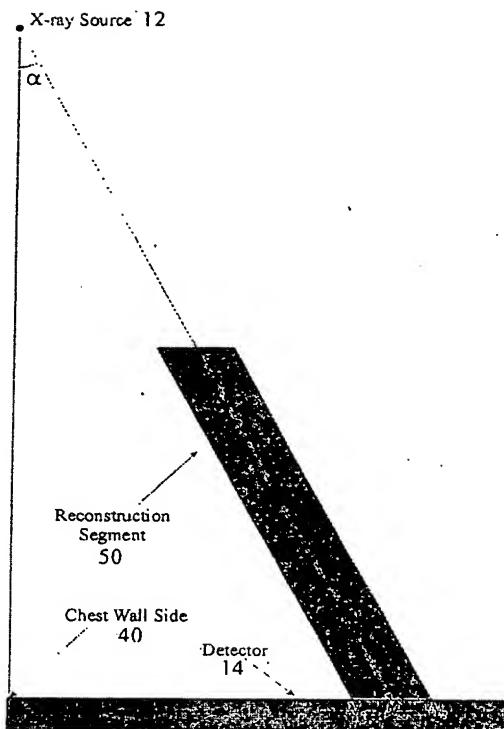
*Figure 3B*

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*Figure 4*

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Legend for Figure 5

$N_1$ : index of the first detector row in segment  $N$

$N_2$ : index of the last detector row in segment  $N$

$N_c$ : index of the center row in segment  $N$

$$N_1 = 25 \cdot N$$

$$N_2 = 25 \cdot N + 49$$

$$N_c = 25 \cdot N + 25$$

The slope of the volume is represented by  $\alpha$ , the angle made by the detector plane and the line connecting the center of segment  $N$  and the X-ray source at  $0^\circ$ :

$$\tan(\alpha) = (N_c \cdot \Delta) / SD$$

$\Delta$ : detector pixel size

SD: source-to-detector distance

Figure 5

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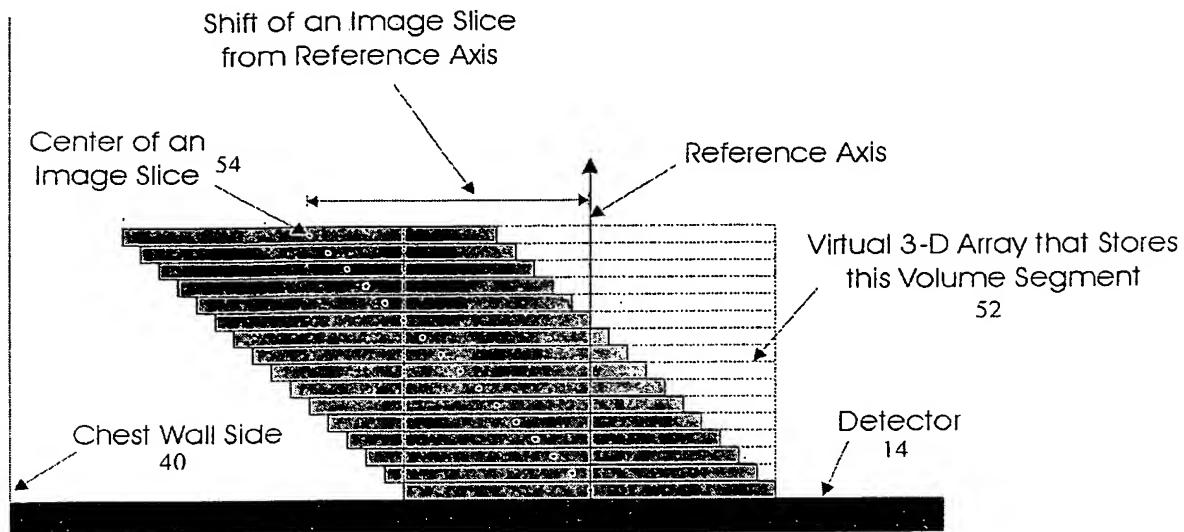


Figure 6

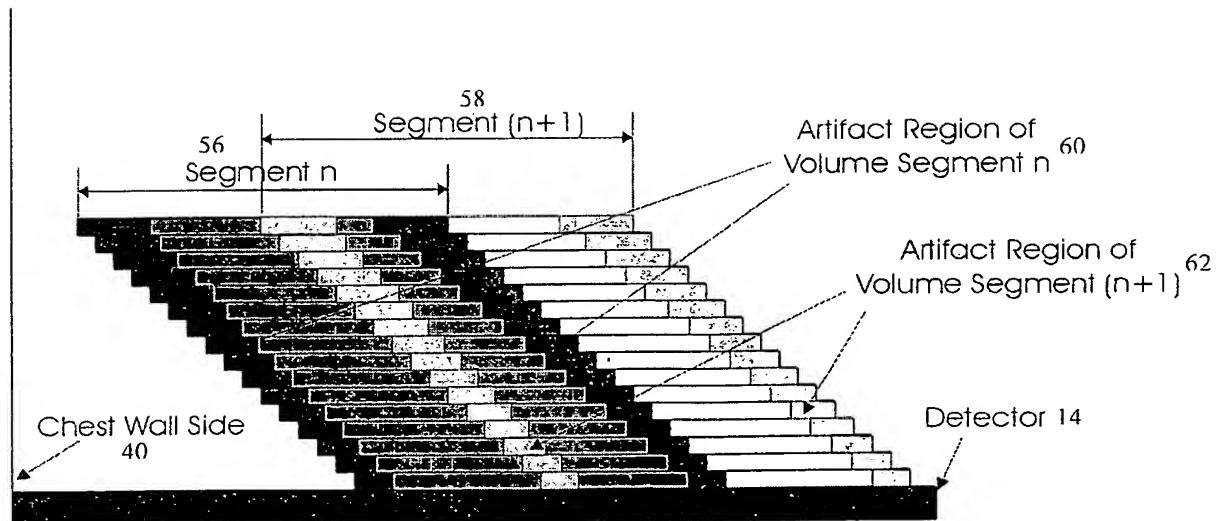
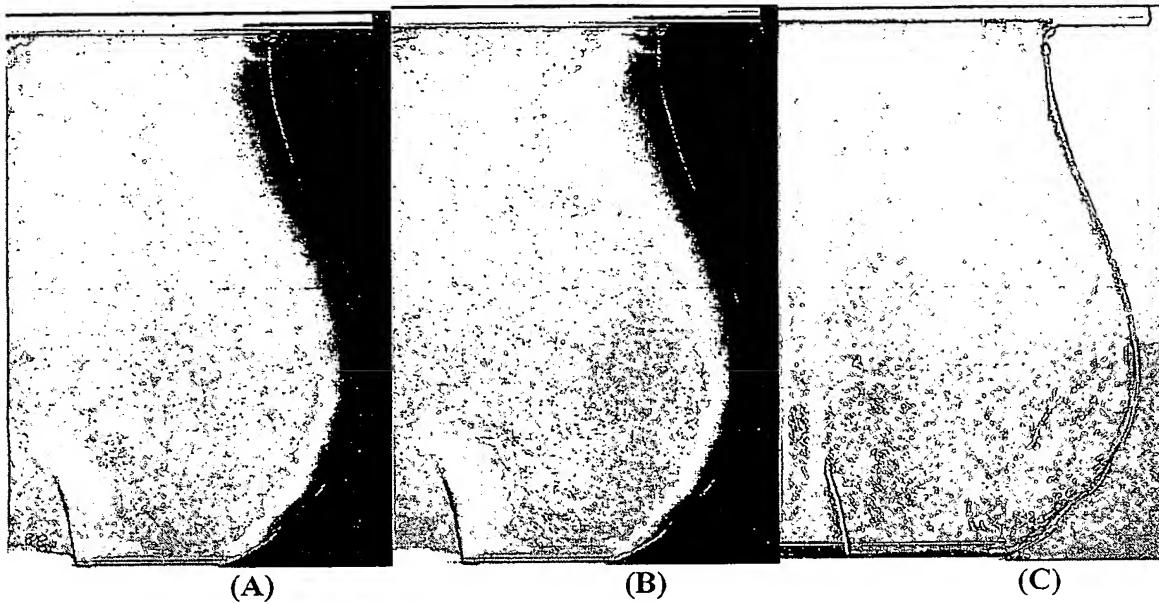


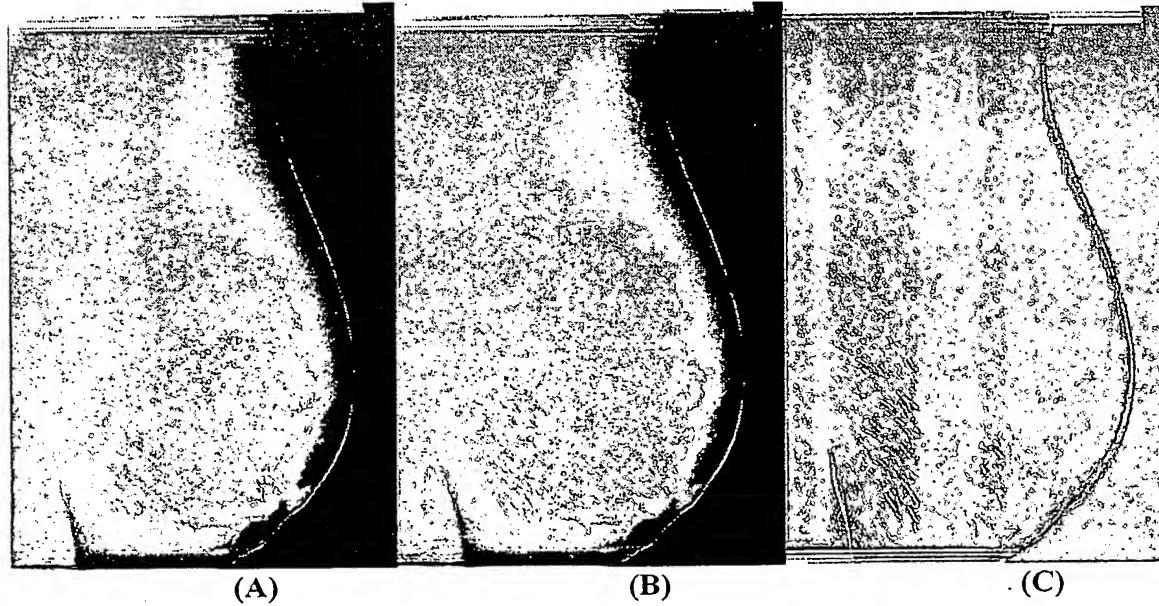
Figure 7

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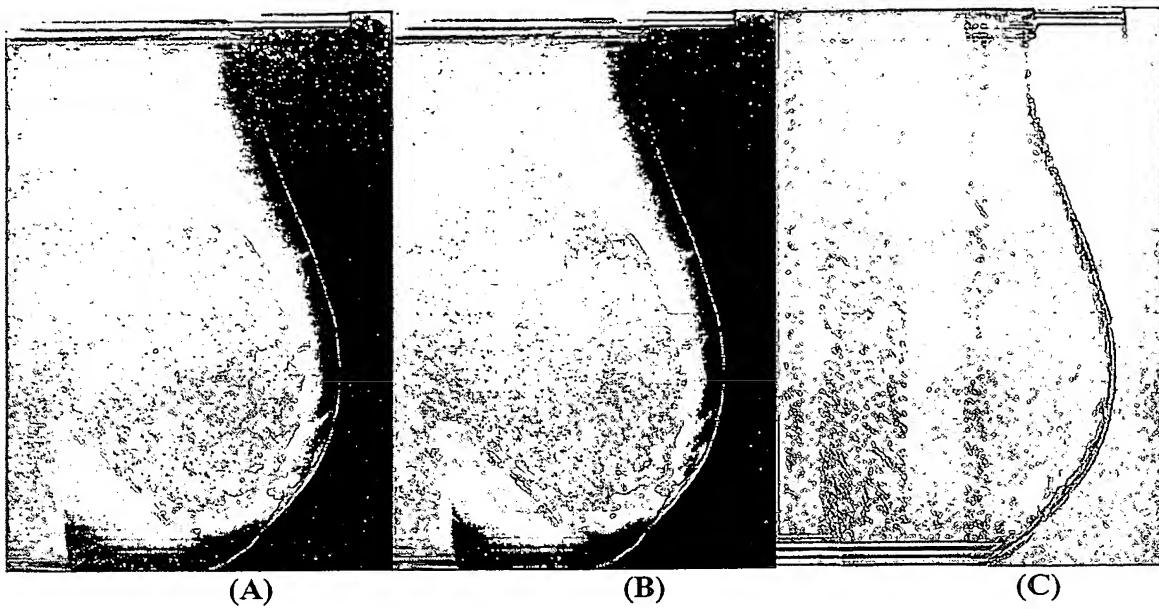
Figures 8A-C

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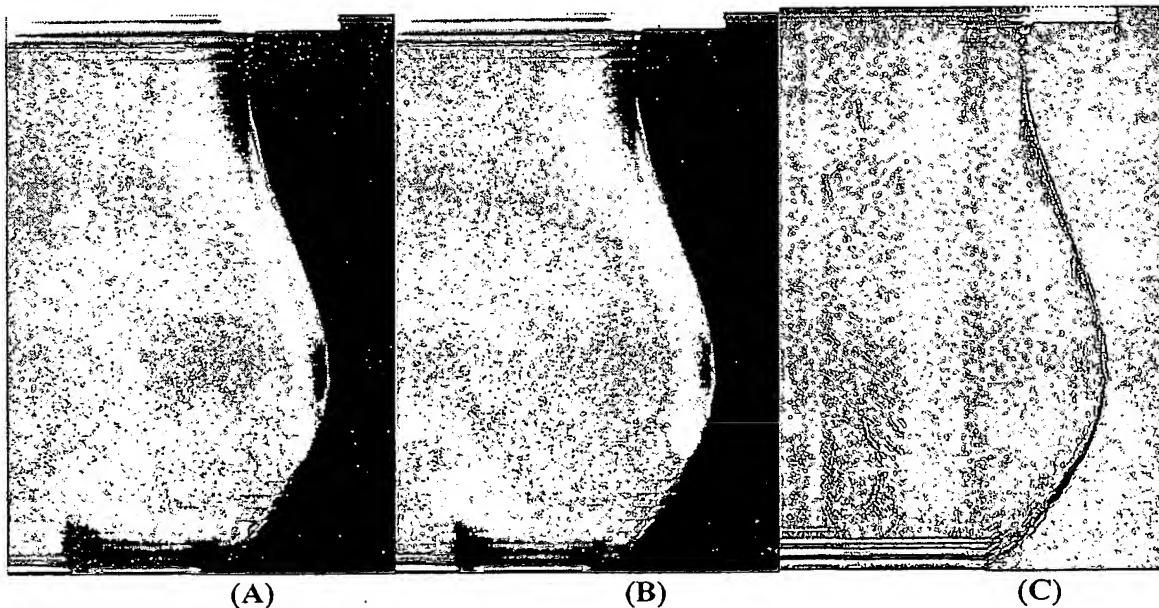
Figures 9A-C

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*Figures 10A-C*

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*Figures 11A-C*